

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: March 1, 2001, 15:49:22 ; Search time 140.11 Seconds

(without alignments)  
5,767 Million cell updates/sec

Title: US-09-331-631a-1\_COPY\_29\_73

Perfect score: 252

Sequence: 1 SEFDROVEECCRQCMOLET.....RCVSOCDKRFEEDIDMSKYD 45

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued\_Patents\_AA:\*  
2: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep:\*  
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4: /cgn2\_6/ptodata/2/1aa/6.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCBUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	76.5	30.4	587	US-07-955-905A-23	Sequence 23, Appl
2	70.5	28.0	566	US-07-955-905A-2	Sequence 2, Appl
3	70.5	28.0	566	US-07-955-905A-22	Sequence 22, Appl
4	67	26.6	218	US-08-985-526-1	Sequence 1, Appl
5	67	26.6	239	PCT-US93-01652-1	Sequence 1, Appl
6	67	26.6	441	US-08-985-526-3	Sequence 3, Appl
7	67	26.6	1170	US-08-313-288B-20	Sequence 20, Appl
8	59.5	23.6	2710	US-08-568-459A-12	Sequence 12, Appl
9	59.5	23.6	2710	US-08-487-826B-12	Sequence 12, Appl
10	59.5	23.6	3060	US-08-487-826B-14	Sequence 14, Appl
11	55	21.8	816	US-08-190-802A-54	Sequence 54, Appl
12	53.5	21.2	450	US-08-712-339B-8	Sequence 1, Appl
13	52.5	20.8	1172	US-08-313-288B-19	Sequence 19, Appl
14	52	20.6	34	US-08-822-561-1	Sequence 1, Appl
15	51.5	20.4	126	US-08-044-547-3	Sequence 3, Appl
16	51.5	20.4	147	US-08-044-547-1	Sequence 1, Appl
17	50.5	20.0	94	US-09-147-550-31	Sequence 31, Appl
18	50.5	20.0	94	US-09-147-550-36	Sequence 36, Appl
19	49.5	19.6	79	US-08-465-380-8	Sequence 8, Appl
20	49.5	19.6	79	US-08-480-478-37	Sequence 37, Appl
21	49.5	19.6	79	US-08-486-397-8	Sequence 8, Appl
22	49.5	19.6	79	US-08-486-399-8	Sequence 8, Appl
23	49.5	19.6	79	US-08-461-965-8	Sequence 8, Appl
24	49.5	19.6	79	US-08-326-110A-37	Sequence 37, Appl
25	49.5	19.6	79	US-08-634-641-8	Sequence 8, Appl
26	49.5	19.6	79	US-09-249-471-8	Sequence 8, Appl
27	49.5	19.6	79	US-09-249-472-8	Sequence 8, Appl
28	49.5	19.6	79	US-09-249-451-8	Sequence 8, Appl

29	49.5	19.6	79	US-08-809-455-8	Sequence 8, Appl
30	49.5	19.6	79	US-09-249-461-8	Sequence 8, Appl
31	49.5	19.6	79	US-09-249-448-8	Sequence 8, Appl
32	49.5	19.6	98	US-08-465-380-21	Sequence 21, Appl
33	49.5	19.6	98	US-08-480-478-49	Sequence 49, Appl
34	49.5	19.6	98	US-08-486-397-21	Sequence 21, Appl
35	49.5	19.6	98	US-08-486-399-21	Sequence 21, Appl
36	49.5	19.6	98	US-08-461-965-21	Sequence 21, Appl
37	49.5	19.6	98	US-08-326-110A-49	Sequence 49, Appl
38	49.5	19.6	98	US-08-634-641-21	Sequence 21, Appl
39	49.5	19.6	98	US-09-249-471-21	Sequence 21, Appl
40	49.5	19.6	98	US-09-249-472-21	Sequence 21, Appl
41	49.5	19.6	98	US-09-249-451-21	Sequence 21, Appl
42	49.5	19.6	98	US-08-809-455-21	Sequence 21, Appl
43	49.5	19.6	98	US-09-249-461-21	Sequence 21, Appl
44	49.5	19.6	98	US-09-249-448-21	Sequence 21, Appl
45	49.5	19.6	562	US-08-973-675-2	Sequence 2, Appl

#### ALIGNMENTS

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RESULT 1
US-07-955-905A-23
; Sequence 23, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,905A
; FILING DATE: 21-JAN-1993
; CLASSIFICATION: 435
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 587 amino acids
; TYPE: amino acid
; TOPOLOGY: Linear
; MOLECULE TYPE: Protein
; ORIGINAL SOURCE:
; ORGANISM: Gossypium hirsutum
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..587
; OTHER INFORMATION: /note= "Vicilin from G. hirsutum"
US-07-955-905A-23

Query Match 30.4%; Score 76.5; DB 1; Length 587;
Best Local Similarity 41.7%; Pred. No. 0.064;
Matches 15; Conservative 8; Mismatches 12; Indels 1; Gaps 1;

RESULT 2
US-07-955-905A-2
; Sequence 2, Application US/07955905A
; Patent No. 5770433
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
; NUMBER OF SEQUENCES: 28
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: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-07-955-905A-2

Query Match      28.0%; Score 70.5; DB 1; Length 566;
Best Local Similarity 32.4%; Pred. No. 0.33;
Matches 11; Conservative 11; Mismatches 11; Indels 1; Gaps 1

OY 5 ROEYEECKRQCMLQLET-SGQMRRCVSGQCDKREE 37
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Db 39 ROYEEQCCRCSESEATEEREDEQCEQRCEREYKE 72

RESULT 3
US-07-955-905A-22
: Sequence 22, Application US/07955905A
: Patent No. 5770433
: GENERAL INFORMATION:
: APPLICANT:
: TITLE OF INVENTION: RECOMBINANT 47 AND 31 KD COCOA PROTEINS AND
: TITLE OF INVENTION: PRECURSOR
: NUMBER OF SEQUENCES: 28
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/955,905A
: FILING DATE: 21-JAN-1993
: CLASSIFICATION: 435
: INFORMATION FOR SEQ ID NO: 22:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 566 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: ORIGINAL SOURCE:
: ORGANISM: Theobroma cacao
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..566
: OTHER INFORMATION: /note= "67 kd Precursor Protein"
US-07-955-905A-22

Query Match      28.0%; Score 70.5; DB 1; Length 566;
Best Local Similarity 32.4%; Pred. No. 0.33;
Matches 11; Conservative 11; Mismatches 11; Indels 1; Gaps 1

OY 5 ROEYEECKRQCMLQLET-SGQMRRCVSGQCDKREE 37
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Db 39 ROYEEQCCRCSESEATEEREDEQCEQRCEREYKE 72

RESULT 4
US-08-985-526-1
: Sequence 1, Application US/08985526
: Patent No. 6080728

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1 GENERAL INFORMATION:
2 APPLICANT: Mixson, James A
3 TITLE OF INVENTION: CARRIER:DNA COMPLEXES CONTAINING DNA
4 TITLE OF INVENTION: ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE
5 TITLE OF INVENTION: THERAPY
6 NUMBER OF SEQUENCES: 43
7 CORRESPONDENCE ADDRESS:
8 ADDRESSEE: Connolly, Boyle, Lodge, & Hutz
9 STREET: 1220 Market Street, P.O. Box 2207
10 CITY: Wilmington
11 STATE: Delaware
12 COUNTRY: U.S.A.
13 ZIP: 19899
14
15 COMPUTER READABLE FORM:
16 MEDIUM TYPE: Floppy disk
17 COMPUTER: IBM PC compatible
18 OPERATING SYSTEM: PC-DOS/MS-DOS
19 SOFTWARE: Patentin Release #1.0, Version #1.25
20 CURRENT APPLICATION DATA:
21 APPLICATION NUMBER: US/08/985,526
22 FILING DATE:
23 CLASSIFICATION:
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER: US 08/608,845
26 FILING DATE: 16-JUL-1996
27 ATTORNEY/AGENT INFORMATION:
28 NAME: McMorlow Jr., Robert G
29 TELECOMMUNICATION INFORMATION:
30 TELEPHONE: (302) 658-9141
31 TELEFAX: (302) 658-5613
32 INFORMATION FOR SEQ ID NO: 1:
33 SEQUENCE CHARACTERISTICS:
34 LENGTH: 218 amino acids
35 TYPE: amino acid
36 TOPOLOGY: linear
37
38 US-08-985-526-1
39
40 Query Match 26.6%; Score 67; DB 3; Length 218;
41 Best Local Similarity 39.5%; Pred. No. 0.33;
42 Matches 15; Conservative 6; Mismatches 11; Indels 6; Gaps 2;
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44 QY 13 RQCMQLE-----TSGQMRRC-VSCQDKRREEDIDMSKY 44
45 | | | | | : | | | | | : | | | | | : | | | | | : | |
46 Db 104 RSCDSLNNRCGSSVOTRCHIQECDKRPKQDGMSHW 141
47
48 RESULT 5
49 PCT-US93-01652-1
50 Sequence 1, Application PC/TUS9301652
51 GENERAL INFORMATION:
52 APPLICANT: Bouck, Noel P.
53 APPLICANT: Polverini, Peter J.
54 APPLICANT: Good, Deborah J.
55 APPLICANT: Frazier, William A.
56 TITLE OF INVENTION: Method and Composition for
57 TITLE OF INVENTION: Inhibiting Angiogenesis
58 NUMBER OF SEQUENCES: 12
59 CORRESPONDENCE ADDRESS:
60 ADDRESSEE: Tilton, Fallon, Lungmus & Chestnut
61 STREET: 100 South Wacker Drive, Suite 960
62 CITY: Chicago
63 STATE: Illinois
64 COUNTRY: USA
65 ZIP: 60606-4002
66
67 COMPUTER READABLE FORM:
68 MEDIUM TYPE: Floppy disk
69 COMPUTER: IBM PC compatible
70 OPERATING SYSTEM: PC-DOS/MS-DOS
71 SOFTWARE: Patentin Release #1.0, Version #1.25
72 CURRENT APPLICATION DATA:
73 APPLICATION NUMBER: PCT/US93/01652
74 FILING DATE: 19930222

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 3060 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-487-826B-14

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Query Match	23.6%	Score 59.5;	DB 2;	Length 3060;
Best Local Similarity	27.7%;	Pred. No. 41;		
Matches 13; Conservative	9;	Mismatches 16;	Indels 9;	Gaps 1;

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QY      6 QEYEECKRQCMQLETSQGM-----RCVSQCCRFEEIDIMSK 43
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Db     1150 QEYDKLKICADCMKSGDKCTQGDVDCGKCAACDKYKEEIEKWE 1196

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RESULT 11  
US-08-190-802A-54  
; Sequence 54, Application US/08190802A  
Date: 4/11/2008 15:00:03

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; APPLICANT: Mochly-Rosen, Daria
; APPLICANT: Ron, Dorit
; TITLE OF INVENTION: WD-40 - Derived Peptides and Uses
; TITLE OF INVENTION:

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CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dehlinger & Associates  
STREET: P.O. Box 60850

COUNTRY: USA  
ZIP: 94306-0850  
COMPUTER READABLE

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;
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Fabian, Gary R.

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-0880  
TELEFAX: (415) 324-0960

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; POLYMER CHARACTERISTICS:
; LENGTH: 816 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown

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INDIVIDUAL ISOLATE: MUS MUSCULUS PROTEIN, Flq, 37

Query Match	21.8%;	Score 55;	DB 1;	Length 816
Best Local Similarity	42.9%;	Pred. NO. 37;		

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OY 7 EYECRKQCMQLETSGQMRRC 27
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Db 48 EQENCEACMPLETESEQENC 68
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RESULT 12  
US-08-712-939B-1  
; Sequence 1, Application US/08712939B  
; Patent No. 5858669

TITLE OF INVENTION:	BECLIN, A NOVEL, BCL-2 INTERACTING
TITLE OF INVENTION:	GENE NEAR BRCA1 ON CHROMOSOME 17q22
TITLE OF INVENTION:	AND METHODS OF USE

ADDRESSEE: Cooper & Dunham LLP  
STREET: 1185 Avenue of The Americas  
CITY: New York

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; ZIP: 10036
; COMPUTER READABLE
; MEDIUM TYPE: F1

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;   OPERATING SYSTEM:      C:\DOS\MS DOS
;
;   SOFTWARE:    PatentIn Release #1.0, Version #1.30
;
;   CURRENT APPLICATION DATA:
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;   APPLICATION NUMBER:  US/08/712,939B

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ATTORNEY/AGENT INFORMATION:  
NAME: white, John P.  
REGISTRATION NUMBER: 28,678

TELEPHONE: 212-278-0400  
TELEFAX: 212-391-0526  
INFORMATION FOR SEQ ID NO: 1:

LENGTH: 430 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

ANTI-SENSE:  
US-08-712-939B-1

Query Match	21.2%	Score	53.5	DB	2	Length	450
Best Local Similarity	38.2%	Pred. No.	30				
Matches	13	Conservative	6	Mismatches	10	Indels	5
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Db      230 QREYSEFKRQQLDELDELKSVENQMRYAQTQLDK 263
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US-06-313-288B-19  
; Sequence 19, Application US/08313288B  
; Patent No. 5750502  
; GENERAL INFORMATION:

; TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A  
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 ; TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDININ  
 ;  
 ; NUMBER OF SEQUENCES: 20  
 ;  
 ; CORRESPONDENCE ADDRESS:  
 ;

STREET: 1165 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA

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;      COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:      IBM PC compatible
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